

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1-4 (Canceled)

5. (Currently Amended): A method of ~~visualization visualizing of the echos~~ received by an active sonar ~~using transmitting a line spectrum emission waveform, this visualization being carried out on a panoramic screen, said method comprising the steps of:~~

~~- Doppler processing of the signal the received signals, this step making it possible to class the echos received as a function of their Doppler frequency and detecting echoes,~~

~~- generating an artificial sonar image positioning the detected echoes in a range-bearing plane, and~~

~~creating a synthetic image representing in a bearing-distance plane the set of echos detected in the form of symbols, and~~

~~restituting on the image of the reconstituted panoramic reverberation.~~

~~- supplementing said artificial image with a representation of a reverberation level at each point of said range-bearing plane.~~

6. (Currently Amended): The method as claimed in claim 5, wherein the ~~step of supplementing said artificial image reconstitution of the panoramic reverberation is~~ carried out by displaying for each point of the image, tagged by its distance and its bearing, the echo whose Doppler frequency is situated at the center of a zone A corresponding to the Doppler frequencies relating to the fixed echos.

7. (Currently Amended): The method as claimed in claim 5, wherein the detected echoes visualization produced comprises at one and the same time the reconstituted panoramic reverberation and the mobile echoes detected, these echoes being are represented on the artificial image by areas whose color and size depend vary as a function of on the level and of the duration of the echoes es received.

8. (Currently Amended): The method as claimed in claim 5~~6~~, wherein the detected echoes are represented on the artificial image visualization produced comprises at one and the same time the reconstituted panoramic reverberation and the mobile echoes detected, these echoes being represented by areas whose color and size depend on the vary as a function of the level and of the duration of the echoes es received and on their fixed or mobile character.

9. (Currently Amended): The method as claimed in claim 8, wherein the detected echoes detected are highlighted on the visualization produced artificial image by means of symbols, these symbols making it possible to distinguish the mobile echoes es from the fixed echoes es.